Clean Copy of Amended Paragraphs

Paragraph [0024]

-- In a first checking step CHECK1, the USB device checks whether a negotiation flag is activated or not.

If not:

- in a first enumerating step ENUM1, the USB host will enumerate the USB device. In other words, as illustrated in figure 2, the USB host will retrieve from the USB device to the USB host only the descriptors (I) associated to the standard service S0,

- in a loading step LOAD, the standard driver D0 is loaded into an active memory of the host,

- in a negotiation step NEGO, the standard application A0 negotiates the services (S1, S2, S3) to activate. The negotiating step comprises the following sub-steps:

  • a receiving step, in which the standard application A0 receives from the standard service S0 a first list of all the different services (S1, S2, S3, S4) which are available on the USB device,

  • a comparing step, in which the standard application compares the first list of all the different services (S1, S2, S3, S4) which are available on the USB device with a second list of the services (S1, S2, S3) needed by the applications (A1,A2) of the USB host to deduce the services to be activated (S1, S2, S3) on the USB device,

  • a service activating step, in which the USB device activates the services to be activated (S1, S2, S3).

-     In an flag activating step ACTIV, the negotiation flag is activated.

-     In an initialization step INIT, the USB device removes its pull-up resistor in order to detach itself and then re-attach itself.--

Paragraph [0037]

-- The first device can be, for example, a USB host in particular a computer, a Personal Digital Assistant device (PDA) or a mobile phone compliant with the Global System for Mobile communication standard (GSM).--

Paragraph [0039]

-- The USB device can be, for example, a Smart Card comprising three different services:

-     Keys and rights management (APDU command transport as defined in the list of

Application Protocol Data Unit of the ISO 7816 standard) as service [S0],

-     Document signature as service [S1],

-     Data streaming application as service [S2] for enabling control of Digital Rights

Management (DRM) during the streaming.--

Paragraph [0041]

-- For all these USB hosts, the services that can be accessed could be:

[S0] and [S1] for [E1], because the user is not administrator of the machine, and can not install a new driver,

[S0], [S1] and [S2] for [E2], because the user is administrator of the machine and can install any

service available,

[S0] only for [E3], for memory or consumption economy reasons,

[S0] only for [E4], because the host cannot be personalized and only the driver for [S0]

is available.--

Paragraph [0043]

    -- It should be clear that the invention is not limited to devices communicating using the

USB protocol. Other protocols like, for example, firewire based protocol may be used.--

Paragraph [0044]

    -- It should be clear that the invention is not limited to devices communicating according to

a master/slave protocol.--